

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:317	Late	LPZ-308	GACGTTGAAAAGCAGCCAGACAATATTGAAAGGGAGAAAGGCCAGCAGGG TTGAGGGGAAGAAATGCATAATGACATATATAATGAGATCTTTGTATACGATATT ACGGGTACGATCGATGATTGAGCTACGATCCCATAACGACGCTAAAGCGTAATTAC ATATATAATAGATGCATTTCAGAATGACTTATCTATTTCATTACGCATATTATAC GTAATTACGTATATAATTGCAGAGATCTCACCGACCAACCAAATGCTTCATTTC ATCCCAGGCGTCCGC
SEQ ID NO:318	Late	LPZ-309	GCGGACGCCGTATCACTAGAGGTGAATACTCAGCAAGCAAAACTGAAGGATATTA TTGAAAAAGCTGTCAGGCTAAATTGGGTGTCAATTCCCCATTGATCATGCTGGTT CTACACTTTGTTGAGTCGGTGTGACATTGAGGAAGATGTTGCTGCACATTAT GCACAAAACCTAGAGAACGTTAGCAGAATTCCAGTTCAATCACAATGGTGT ATTCTTACAGTAGAGGACTACCAGCAAGAGTTCTTATGCAGTATTAAATTAAAGCAC AGAGATGACTTGATGAGGAGTCAGGTGGATTGACTGCTGGAGGCCTCCGC
SEQ ID NO:319	Late	LPZ-310	GCGGACGCCCTCTGTAGATACCACATGAGCTAAGATCAAATCATAAGAA GAGCTTCATTCCGGGCTCACCTTTCTACAAGCTCCTTTGGCTGGTGGAAAGC CAAACACTCTGTATCGAAACACTCCTGCCTAGTTCAAGATTACACATAAAAATCA AGCCGGCAAACCTATTTGCCACTGCCATCTCATTGTTGCTGCCTGGCGTCG TTTTACAACGTC
SEQ ID NO:320	Late	LPZ-311	GCGGACGCCCTACTAAACGACGCCAGATGTGTAATGGGAAAATGTCATGAT AGTGGGTACAATAACGAGGCCACTGCTCTATGTTTCAAGTTCTGTTGGATT TGCCGGGTGAGAGAGCGTTCGTTGCGCGAGAGGGGCAAATGCTGAGCG TGGGGAATTGCCATTGCCCTGGAGTGGCGACGACGTCATTTAA ATCACCAATTACTTCATCATCACCATGGTTAAATGCACTCCCTGCTCCCTCAAACAG GAACTTCAGATCCTCAAGCTCGAAATCTCCGCTCTGCTCCTCGAAGACAAGAC TCTGTGAGGAGGAAGCGCAGCTGAGCTAGCGGATCTGCTGAAGCCGGTG GCCTCGCCCCGATGGTTCTCGTACAAGGAGAACTTACCATACGCTGCTATGAA GTCCGAGTAAACCGCACTGCCACCATGAGGCGTCCGC
SEQ ID NO:321	Middle	LPZ-312	GACGTTGAAAAGCAGCCAGCAACCAAATAAACCCACATGTCATGTTT AGTAAAAGGAGATGACTTAAGAGTCATTACACACACTTCTATCTGATTTCTT CCACCTGCTTGGGTTTAGTGAAGAGAAACTAGGAGTGGAAAGCCCTAGACGTT GGAGGATAAGAAGGCAACCCCTAGAAGGCAGAGCTAACGCTATCTAACGGCAACCC TAACGCTATCCTAACGGCGTCCGC
SEQ ID NO:322	Late	LPZ-314	GCGGACGCCCTGCTCAGCACCTGTTATAGTCATTCTTTCTCTCATTTTC TCCTTCAATGACCGCAATGAAATTCAAGCTGCCAACCGCTTTGTTTCAAAAT TAATTTCATACCGCAAGATCATGATGAGAATGGTTGGAAAAAAACTGTT TGAAATATTAGGTGACCAACAATTTCATGATTGCACTAAAGTTGATAATTGAT TTATCGGGTCGACATTGTAATTATTAACACGAAAATCTGAGGCTACAATTG GATTGAAATATTAGGTGACGAACAATTTCATGATTGCAATCTAAAGTTGACAATT GAGTTATCGTGTGACATTGTAATTATTAACACACAAAATCTATGAGGCGTCCGC
SEQ ID NO:323	Late	LPZ-315	GCGGACGCCCTCATCAATCCATGGTGTACACGCCCTCAAAGCGGCTCCATTAG TCGCGCAGCGTCACTTGTCTTGAGCGCTTCCCTGCTACATCCCGCGAGCC TCTGTGCAAGGGCACTGTCTGCGCGGTCCCTTAACCTCGTGTACTTCTGCTGC AGCTCACGTGCTCTATTCTAAGTGCTATATATTGGGCTCCTGCATAGTAGTG AACCTCGAACGACTCCTCAAATAGCCAGGTGAGTCTTCAATTGCACTATTGATCTC CACTATTCCGTCTATAATGGCGTAAACATGCTGTTCTCACCTTGGCGAGTTG AAGGCTGCGCCTTCTGGAGCTGGTTATTGAAGCTGAACCTGGCATATCTC CTTCACCTCGTGCATCCCTGCTTCAGTTGGATGCACGCCACTGGGTCT TCTGCTGGGATGGCAACTCTAACGACCAACTGGTATGCGTCGC

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cDNA	Embryo	Clone	Nucleotide Sequence
	Phase		
SEQ ID NO:324	Middle	LPZ-318	GCGGACGCCCTCTCAATCCATCAGGCCTGATTAATGTATTGACCTTCTTGCTGA ATGTCATACATTTTTACTGCATCCTGATCTCTTCTGCTTCTATCCT TTCTCTGCTTCTATCCTTCTGGC
SEQ ID NO:325	Late	LPZ-320	GACGTTGTAAAACGACGCCAGCAAATTGATATAAGAATAGACACATCGACTCA AATGAAGTGACTCAACAGTTCAATTCTATGTCAGCTGAATGCATGGACATACAC CCATAAAATAGGCAGTTGGGTCACCCCAAAAGAACATAGAAACATCTCGCATCTC TGAAAGAAACTCGGATGGGTACAGGCTGTGACTTCGATTTGAAGGAGCACT TCTTGGATAAGTACAATATAGGTACCATCTCGACTCGCTGAAATCTCGCAAAGA AGTCTCATTCTCCCTCTTGTACAGGCGTCCGC
SEQ ID NO 326	Late	LPZ-321	GACGTTGTAAAACGACGCCAGAACGATCAATAACAAAAATGACAGATTAACAAGT TCTCTTAATCTTAAGAGAATACATCAACATCAAGTAAAGTCATAACACATTACA AAATGGTGCACGGTATCCATTCTGTAAACAAGGTTCTGAAATAGTTTCT CTTATCTATGTAACTCTTATAGGTGCCTGTGCAACGTGCCATATCCCATT TGCCACAACTCAAACCTCCTCATTAGAACAAATCTCGGTCTAGCTAAAATT GGCAAATTCAGCATCTCCCTTAACATCATTAGAACGGCGTCCGC
SEQ ID NO:327	Early	LPS-097	GGGAGATGCTAATTGAGCCCTCTCTGAAGGTGGACAATTCCAGCAGCAGTGGT CTAAAGCCCCAATATGGCTATAGAAATTCTCTGGGGTTGCACCTATGGAAGAGG GTCGGAGAGGAGCAAGCTGTGGATCGCTCTTACCATCTGCGGAAGGTGGTAGC AGAATTCTTGGAAAGCTCTTCTCATATTGAGGATGCGGATCTGCGTTGTTGA TAAGATAAGCAACGGTCCATAACTCATCTTGGTGTGCGCTTGTATGGGAATGG CGGCCATGATTGTAATTATTCCATAGGCCATATTCTGGAGCTATTGAATCCTG CAGTGAACGTTGGCCCTTGGCTGTGAAGAGATTCCATGGGTCAGGTTCCAGG CTACATAGTAGCTCAAGTATTGGATCGATATGCTGGTTCTCCTACGTTCAT GTTGGAGAAGTGGATTATGGGAGCCACAGTCCCTCAGGCTAGAAATGCACT CTTCGCTTGGAAATTACTACGTCATTGGTGTGTTGTGGTTCTGAGTC CCACTGATAAAAAGCGGTGGGTGAATTGGGAGGTTAGCAATTGGAGCGACCAT CGCAATGAATGTAGCCATATCCGGACCAATCTCAGGAGCTCAATGAATCCAGCAA GGACAATAGGATCCGCAGTGGCTGGCAACAAATACAGCATTGGTTACATG GTTGGCCTGTAATCGGTGCGCTATGGGTGCAATGAGTTAAACATGATTAGAGA GACAAAATGTCGAAAGGGAGATTGAAGAGTGGGTCAATTGTTAAGGACATGG GCTCCAGCGAATCAACAGCATAACAACTTAGAGATTNTGCAATTCCGAGACGGT ATCCAGTGATAGTGGAGAGTAGTCATAATAAGATTGTGAAATGTTGTGAGATT AATGTGAAAATTCAATCCATCAACCAGTGAAGCGAATGCAATTGGTTAAATGT TTATTGGATTGAAATTAAACAGCTTACGTGAAATCCCTACTTTATGTACGGA
SEQ ID NO.328	Early	LPS-098	ACTATAGGGCACCGCTGGTCGACGGCCCGAGCTGGTATCCGATGAAGCTAGATT AATGGTTCAAGTCTATGAAAGCTAGATTGGAGAATTGCAAAGAAATCTAATCTCG TTAGTTGTCACCAACCAGTCACTCGCACCAACTCAGAGTATATTAAAGTTAAAGATT TATAAAAGTAAATTGAACATTATAAAATCTTAAATGTTAGATTAAAGTTAAACATTAT ATAGAATATTAAATGTTAGTATAGATATAAAATATTAAAGTTAAATTTCTTACT ATCAAGTGAATAAAAATAAAATTAATGTAAGACAATATAAAAGACTTGTGTT AGTCATTTTGACTCTCGTTATGTGTGTTATTGTTAAACTGATCTT TTACTGTATATGGATGGGTTACCCATCAAACCTGTGATTCAATAAATTCTC GGATTTAGAGAATTAGACCAAAAAACTCACGAAAAAAATTAGACCAAAAA TCACGAAAAAAACTTCCCAAATCACGCTAAAACAATGAGATAAAAAAATACCA TCTTGATGATGGATAGTGACAGCCTATTCAAACATCACCTAAATTGTAAGTT ACATGCATAACACGATGACCTCATCTACGTGTGCCAATAAAGGTATGACCGTT CAAACATAAGAATCAACGAGCTCAACGCTTGTGGGGGATTCTCACG GCTTAACATTGAGCCGATTACCTNCTANCCAACCAAGGGTTAACCTGAA CAAATNCCAAACCAATTACAGCTTNAACAAATCAACCGAGGCCGCCNACCGGGATC ATTGGTCAAGTCTGAAAACNGGCATTGGTATATGGNATATGGAATTGGAATT GGATCAATGTAACCTTGGGANAAGCTTAANTGGAAANCCCTTTTGANGGG GCCAANTCCGNCCCCGG

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO 329	Early	LPS-099	<pre> ATACTCAAGCTATGCATCCAACCGCGTGGGAGCTCCCATGGTCGACCTGCAGG CGGCCGCGAATTCACTAGTGATTAGATGGTAAGAGCGATCCACAGCTTCGTCCCT CCGACCCCTCTCCATAGGTGCAACCCCCAGAAGAAATTCTATAGCCATTGAGGC TTAGACCACGGTGTGGATTGTCACCTCAGAGAAGGGCTCAATTAGCAT CTCCAAGTTACATTGATCTATTCTATTACATATAAACATGCTGCTCGAGACT GACAAAATGATCCGTTGGCGCTCGTATTGTTAGCTGAATTGTTGGATTGTTCA GTAAAGCCTGTGGTAGGAGGTATCGGTATGAATGTTAGCCGTGAGAATCCT CACAGCAAAGATCGCGTGGAGCTCGTTAGTTGAACGGTCATACCTT ATTGGCACACGTATAAGTGAGGTATCGTGTATGCATGTAACCTACAATTAGG TGATAGTTGGAATAGGCTGTCACTATCCACATCATCAAAGATGGGTATTTTATC TAGTTGTTTAGCGTGATTGGGAAGTTTTCTGTGAGTTTATGGCTAAAAA TTTTCTGTGAGTTTATGGCTAATTCTCTAAAATCCGGAGGAATTATTGAA ATCACAAGTTGATGGTAACCCATCCATATACAGTAAAAAGATCAGTTACAG CCCGGGCCGTCGACCACGCGTGCCTATAGTAATCGAATTCCCGCCGCGCATG GCGGCCGGGAGCATGCGACGTCGGGCCATTGCCCTATAGTGAACGCTGATTAC AATTCACTGGCCGCGTTACACGTCGTGACTGGAAACCTCGCGTACCACTTAAT CGCTGAGCACATCCCCTTCCAGTGNNTAAACGAAAAGGCCCNCCATCGCCT TCAAAAATTGGCAACTGAANGGAAGGACCCCT </pre>
SEQ ID NO:330	Early	LPS-100	<pre> ATACTCAAGCTATGCATCCAACCGCGTGGGAGCTCCCATGGTCGACCTGCAG GCCGCCGCGAATTCACTAGTGATTAGATGGTAAGAGCGATCCACAGCTTCGTCCC CTCCGACCCCTCTCCATAGGTATAAAACCCAGAATTGGTGAGCAGGAAGAATTTC CATAGCCATATTGAGGCTTACACCACTGCTGCTCGAATTGTCACCTCAGAGAA GGCTTCAAATTGACATCTCAAGTTACATGGATCTATTCTATTACATATTATAAC AATGCTGCTCGAGACTGACAAAATTATTGTTGGCGCTGTTCATCGTAGCTGA ATGGTTGGATTGTTAGTGAGGACAGCCGGCCGCGTGCACACGCGTGCCT ATAGTAATCGAATTCCCGCCGCGATGGCCGGGAGCATGCGACGTCGGG CCCAATTGCCCTATAGTGAGCTATTACAACTACTGGCGTGTGTTACAACGT CGTGACTIONGAAACCTGGCGTTACCCAACTTAATGCCCTGCACACATCCCC TTCGCCAGCTGGCGTAATAGCGAAGAGGCCGCACCGATGCCCTCCAAACAG TTGCGCAGCCTGAATGGCGAATGGACGCGCCCTGTAGCGCGCATTAGCGCGG CGGGTGTGGGGTACCGCGACGCGTACACTTGCCAGCGCCCTAGCGC CCGCTCCTTCGCTTCTCCCTCTCGCCACGTTGCCGGCTTCCCCGTC AAGCTCTAAATGGGGCTTCTTAGGGTCCGATTTAATGCTTACGGCACCT CGACCCCAAAAAACTTGATTAGGGGTGATGGGTACGTAGGGCCATGCCCT TGATAGACGGTTCAAAATGGGACAACACTTCAACCTTTGGGNTATTGAT TTATNAAGGGATTGGCGNNTTNGGCCTTGG </pre>
SEQ ID NO:331	Early	LPS-101	<pre> ACTATAGGGCACCGCGTGGTCGACGGCCCGGCTGGTTCAATAAAATTCCCTCCGG ATTTAGAGAAATTAGACCATAAAACTCACGAAAAAAATTAGACCATAAAACTC ACGAAAAAAACTTCCCCAAATCACGCTAAAACAACTAGATAAAAAAAATCCCATC TTGATGATGTTAGTGACAGCTTACCTAAACTATCACCTAAATTGTAAGTTAC ATGCATAACACGATGACCTCATCTACGTTGCCAAATAAGGTATGACCGTCA AACTAAAGAATCAACGAGCTCAACGCATCTTGCTGTGAGGATTCTACGGCTA ACATTGACCGATTACCTCTACCAACAAGCTTAACTGAACAATCCAAACAT TACAGCTAACATCAACGAGCGCCACGGATCTTGTAGTCTCGAAGCAGCAT TGTTATGTTATGAATAGAATAGATCAATGTAACCTGGAGATGCTAATTGAGC CCTCTCTGAAGGTGGACAATTCCAGCACAGTGGCTAAAGCCTCAATATGGCTA TAGAAATTCTCTGGGGTTGCACCTATGGAAGAGGGTCGGAGAGGACGAAGCTG TGGATGCTTACCATCT </pre>

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